



STRINGULTRA T-800
STRINGING MACHINE
USER'S MANUAL

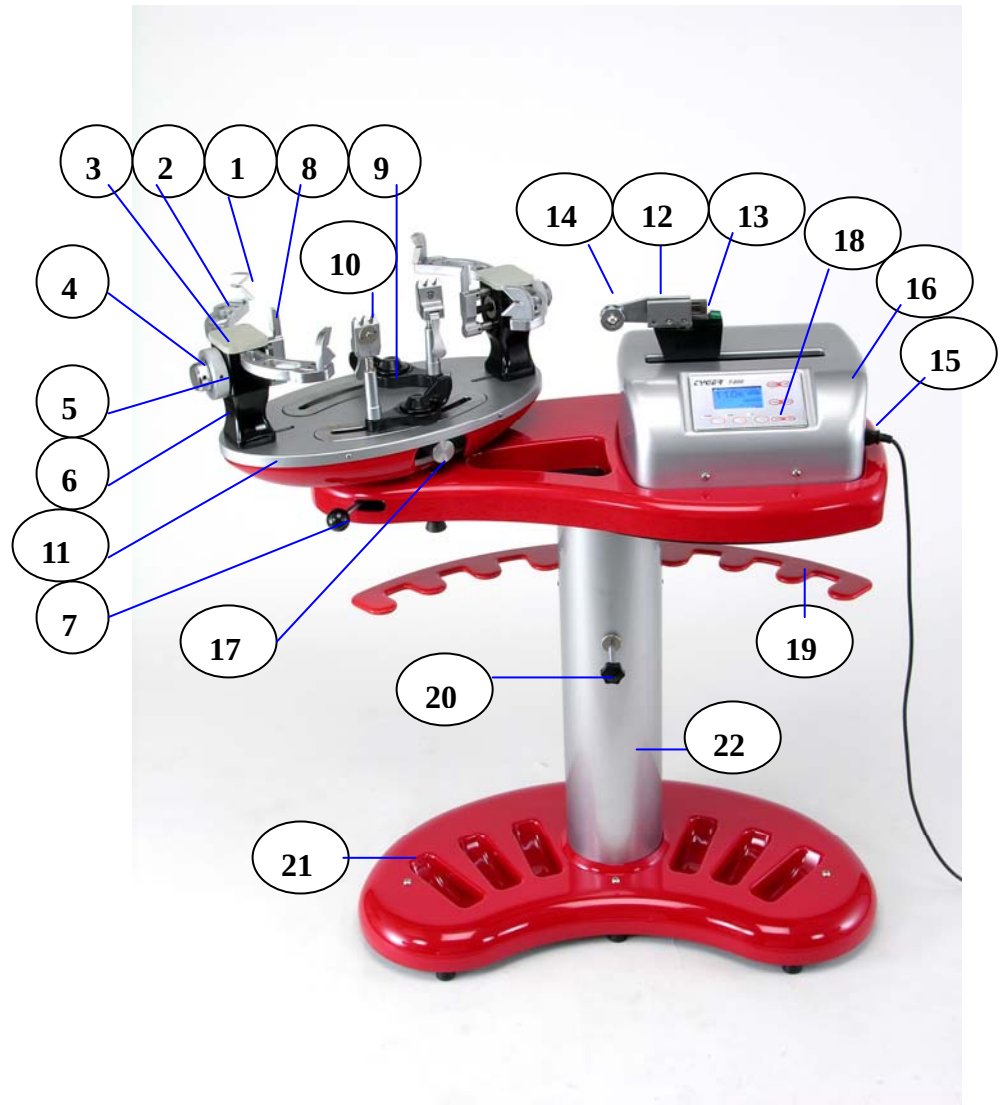


ANATOMY

The T-800 is shipped to you in three cartons.

Here is what the three cartons contain:

- 1). Electronic Tension Head
- 2). Racquet Mount
- 3). Floor Stand



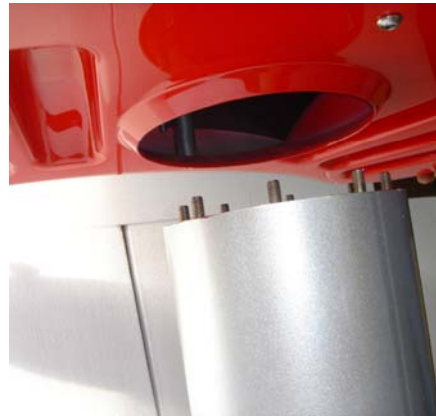
- | | |
|-------------------------------------|-----------------------------------|
| 1. Side Support | 2. Side Support Arm |
| 3. Rubber Cover | 4. Center Support Adjustment Knob |
| 5. Side Support Arm Adjustment Knob | 6. Mounting Stock |
| 7. Brake | 8. Center Support |
| 9. String Clamp Holder | 10. String Clamp |
| 11. Turntable | 12. String Gripper |
| 13. Tensioning Button | 14. Diablo |
| 15. Lower Housing | 16. Upper Housing |
| 17. Mounting Stock Adjustment Knob | 18. Control Panel |
| 19. Racquet Holder | 20. String Reel Holder |
| 21. Base (Feet) | 22. Column |

ASSEMBLY

1. Place the column stand up-side-down on the floor. **NOTE:** Set the **cable of the electric feet** in the **front** at the same direction as the **curved shape side of the feet**.



2. Insert base (feet) in the lower column.



3. Array the 8 studs of the lower column to match the circular holes of the base (feet).



4. Insert the nuts onto the 8 studs and tighten them by a 12 mm wrench.



5. Now the floor stand is ready to stand up.



6. Place the column on its base (feet).



7. Mount the racquet holder on the rear of the column.



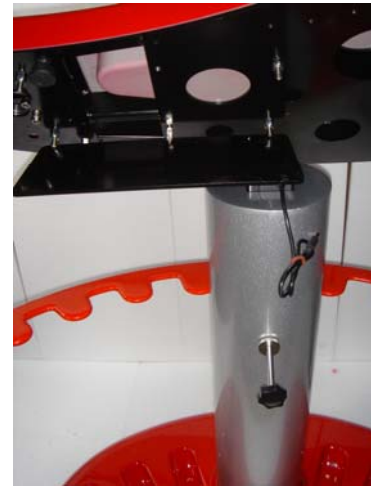
8. Tighten the screw of the racquet holder into the column by a 6 mm wrench..



9. To complete the floor stand, screw the string reel holder into the front of the column..



10. Tilt the electronic tension head and remove the four washers and nuts from the metal bottom base of the electronic tension head.



11. Place the electronic tension head over the anchor of the floor stand and align the 4 studs under the machine with the corresponding holes in the anchor plate and re-position the four washers and nuts onto the anchor tightening them by a 12 mm wrench.



12. Plug the power cord of the floor stand into the outlet located beneath the metal bottom base of the electronic tension head, next to the height adjustment button.



13. Push the brake backward (to the left side) to **unlock** the brake and then insert the entry part of the turntable into the hole of the tension head's lower housing.



14. Insert the string clamps.



15. Select the suitable side supports and insert them on the side support arms.
(For tennis racquet frames, please choose V-support and for the badminton racquet frame, please use L-support.)

(tennis)

(badminton)



16. For mounting the badminton racquet frame, please use the special center support marked with BADMINTON.



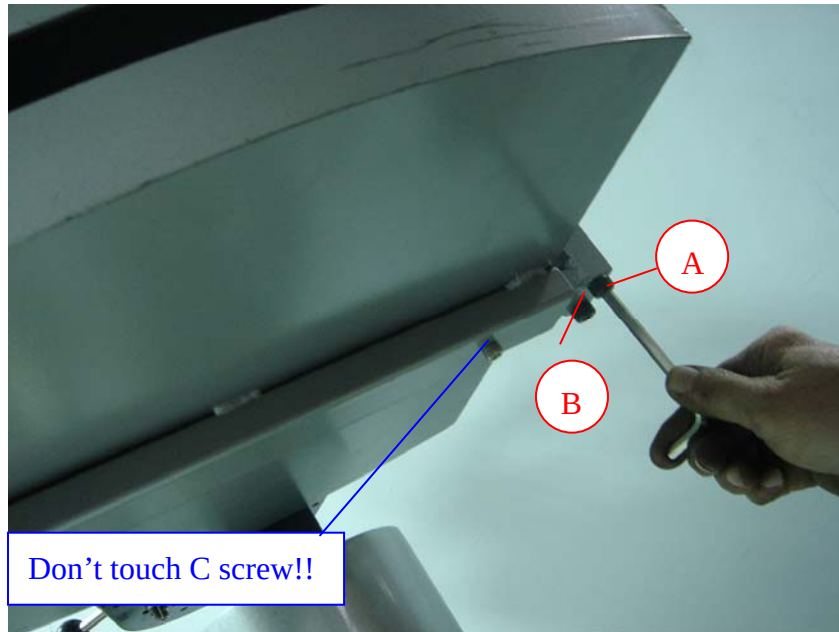
17. For mounting the oversized tennis racquet frame, please use the extended adaptor at the center support.



18. The machine is now fully assembled and can be plugged into a 220 Volt outlet.



19. Secure the drawer (optional) beneath the lower housing of the machine with A & B screws by a 6 mm wrench.

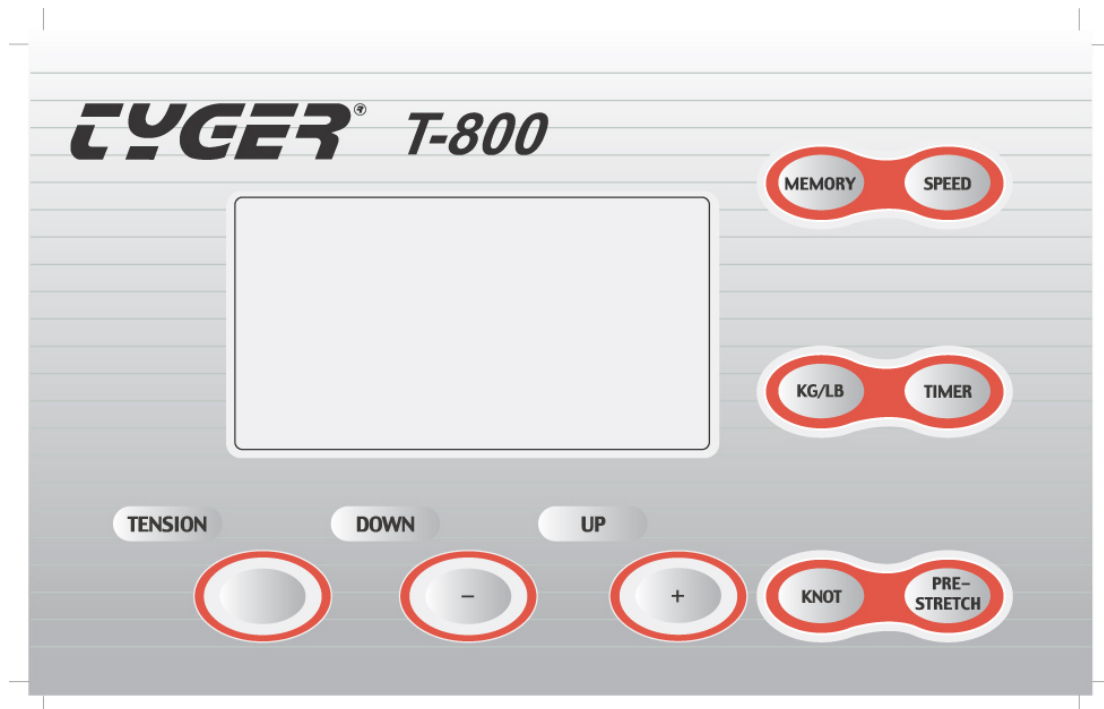


CAUTION : Don't touch C screw which is for fixing the drawer to the L-shaped bar.

20. To open the drawer, pull it out. To close the drawer, push it backward.



KEYPAD OPERATING INSTRUCTIONS



The keypad is protected by a plastic film that should be removed before using.

MEMORY

Indexes from 8 preset tension settings that can be stored in memory.

To store your desired tension, please hold MEMORY key down for 2 seconds until a beep sound is alarmed.

KG/LB

Selects tension scale. Each press of the KG/LB key toggles between KG and LB.

KNOT

Increases pulling tension by 10% over the selected tension for one pull.

The screen will display  to indicate the KNOT function is set.

It can be added more (max 20%) by pressing "UP" button manually or reduced to less (min 0%) by pressing "DOWN" button manually. Yet, as long as the tension is switched to a different tension or the machine is switched off and on again or , the knot function will revert to its default 10% setting automatically.

SPEED

Changes pulling speed of string gripper from Slow to Fast. Cycles between six speed selections.

TIMER

Timer Function (original factory setting) :

- 1). To start timer, press TIMER key.
- 2). To stop it, press TIMER key once more.
- 3). To reset TIMER, hold TIMER key down for 2 seconds.

Countdown Function :

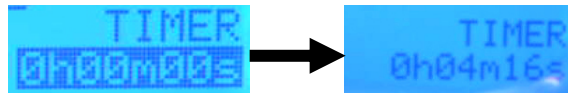
- 1). Hold "KNOT" key while turning the machine on.
- 2). Press "PRE-STRETCH" key several times until the TIMER is shown on the screen.
- 3). Press "TENSION" key to motivate TIMER OFF.

(TIMER ON is for the function of the timer.

"TENSION" key here is to change TIMER from ON to OFF or OFF to ON.

Each press of the TENSION key toggles between ON and OFF).

- 4). Press "MEMORY" key to store your selection.
- 5). Hold "TIMER" button for 2 seconds until the block becomes white, instead of black block.



- 6). Enter your desired time by pressing "UP" or "DOWN" keys.
- 7). Press "TIMER" two times to motivate countdown function after the desired time is set.
- 8). After the desired time is attained, the machine will alarm by two beep sounds.
- 9). Press "TIMER" to stop beep sound.

PRE-STRETCH

Cycles b/n 0%, 5%, 10%, 15% and 20%. When stretching, the tensioner exceeds selected tension then rolls back to it. Stretching enhances tension stability, but be careful not to exceed the string tensile strength or it will break.

TENSION

Programmed preset tensions cycle between 15, 30, 45 & 60 LB or between 6.5, 13.5 20.5, & 27.5 KG.

UP/DOWN

Changes tension setting in +/- 1.0 or 0.1 Lb or Kg increments. Holding the UP/DOWN key down for a second will accelerate the process of tension increments in +/-1.0 Lb or Kg, instead of +/-0.1 Lb or Kg.

POWERING

The main power switch is located on the right of the machine next to the receptacle for the power cord. A 2 amp fuse is located in the power cord receptacle.

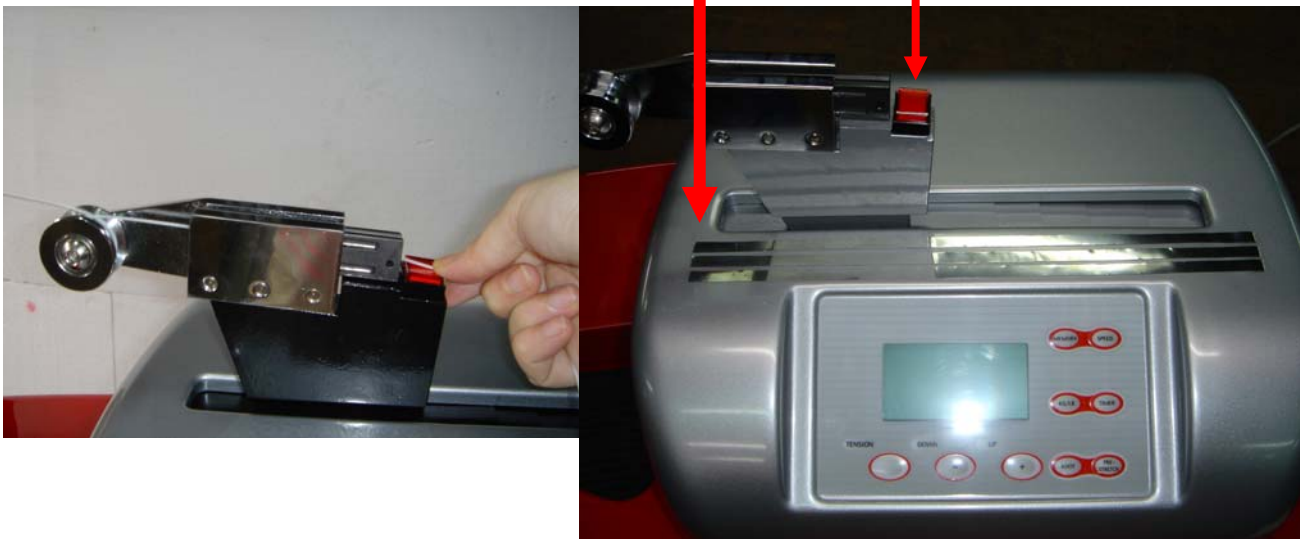
Voltage between 220V and 240V (50 Hz to 60 Hz) is acceptable. A grounded outlet must be used.

Note: If you need to use this machine with 110V, call the agent.



TENSIONING

Rotate the string around the Diablo and insert the string in the opening between the jaws of the string gripper. Tensioning is activated by pushing the handy tensioning button behind the string gripper or the triple touch sensor. Pressing the touch sensor (NOTE please touch three strips together) or handy tensioning button or again causes the string gripper remove back and release the string.



HEIGHT ADJUSTMENT

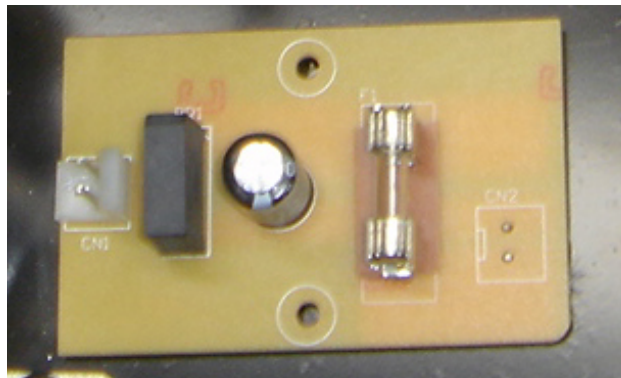
Loosen the locking knob on the column before making height adjustment.

Press the height adjustment button under the metal bottom base of the electronic tension head until the desired height is attained (available height adjustable range : 30 cm).

Tighten the locking knob onto the column to avoid the machine body rocking during stringing.

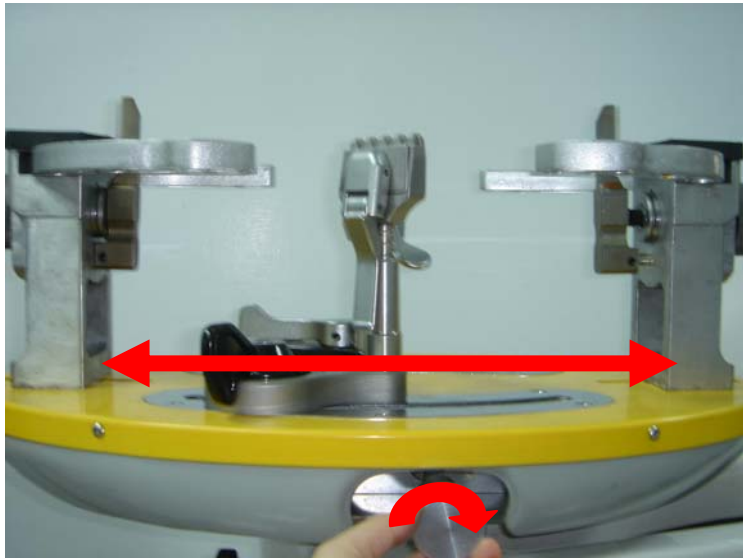


A 3 amp fuse is located inside of the electronic tensioner. It is used for the floor stand.

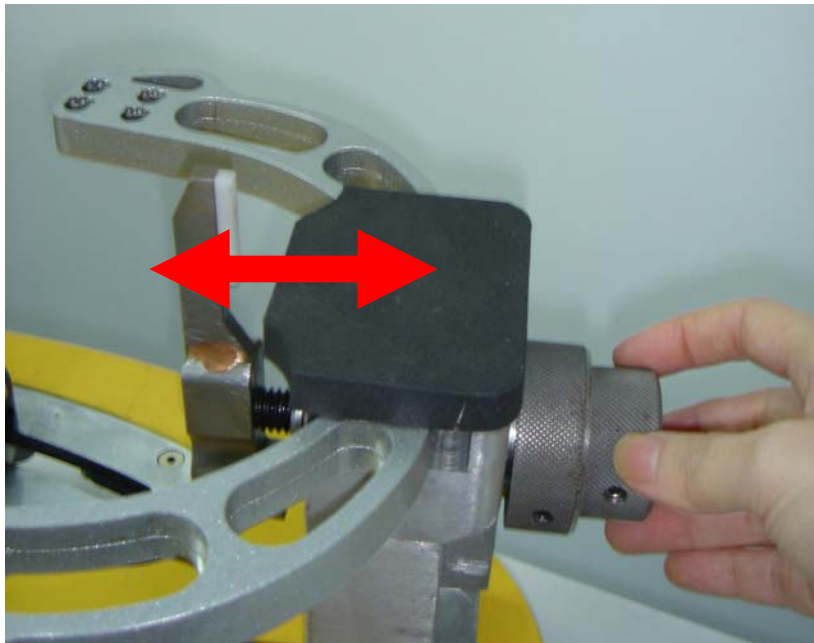


MOUNTING THE RACQUET FRAME

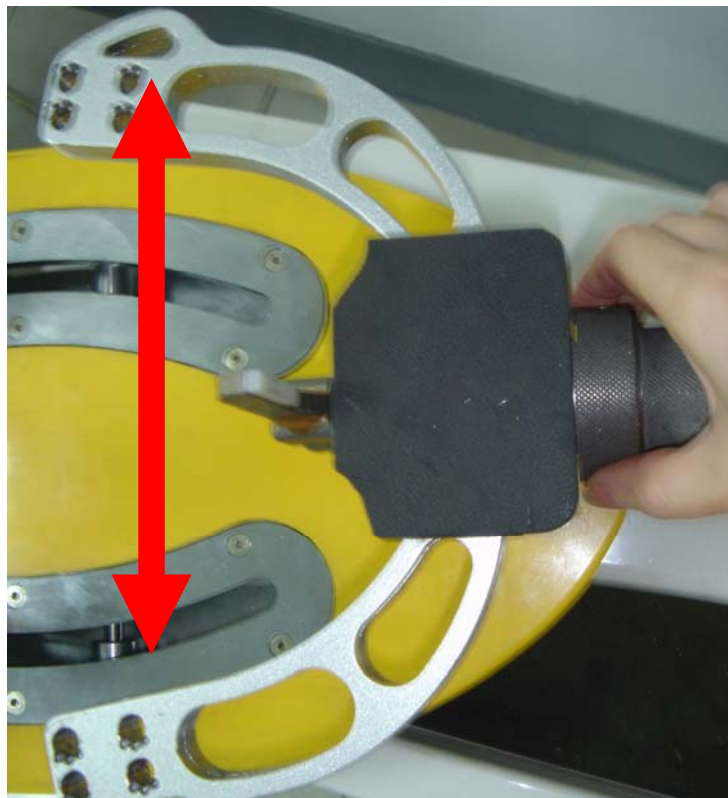
1. Place the racquet frame properly on the top of both mounting stocks. Adjust the distance between the mounting stocks to accommodate the size of the racquet frame by pulling out the mounting stock adjustment knob out and rotating it clockwise to spread the distance between two mounting system.



2. Lightly tighten **center supports** by turning the center support adjustment knob clockwise.
ATTENTION : Don't over tighten the knob of the center support first.



3. The **side supports** are adjustable to provide support to the racquet frame.
Open side support arms by turning side support arm adjustment knob counterclockwise.
After the side support arms hold the racquet frames, go back to step 2 tightening the center supports.



SWIVEL CLAMP OPERATION

Different strings and different gauges require different adjustments. Adjustment can usually be done by finger tips. Note that the handle of the swivel clamp should be lifted before adjustment.



SWIVEL CLAMP BASE OPERATION

The lever on the swivel clamp base is turned clockwise to lock the base. To unlock, the lever is turned counterclockwise. If the swivel clamp base doesn't lock well to the turntable or the locking angle of the lever of the clamp base is too big, you may adjust the nut beneath the clamp base by a 17 mm wrench clockwise or counterclockwise.

Closed Position

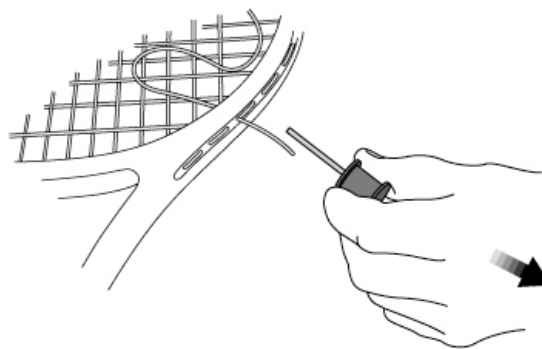
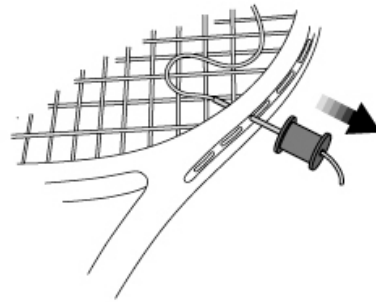
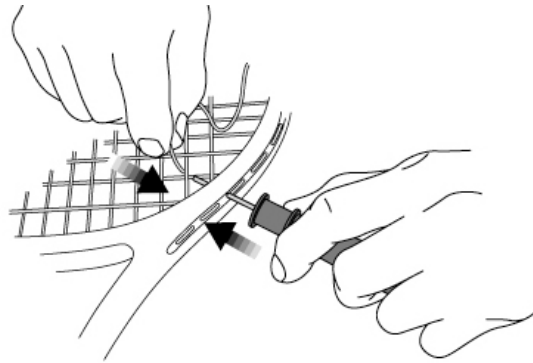


Open Position

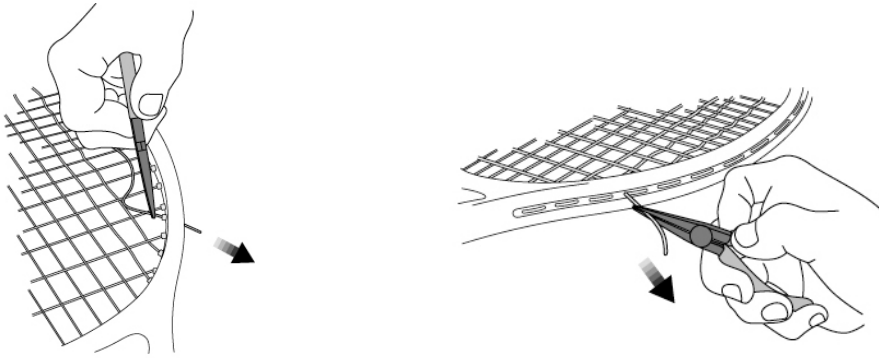


HOLE FINDER OPERATION

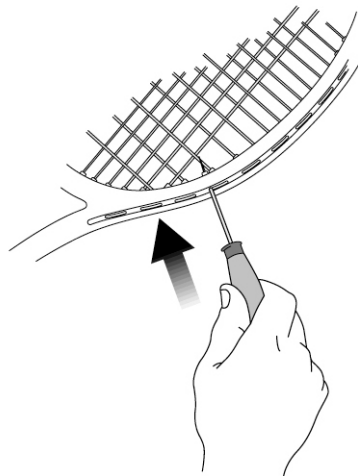
Use a hole finder to create a pathway between or around strings and through tight grommets. Insert the awl through the grommet hole and pull the handle of the awl outward leaving the outer sheath in the grommet hole. Insert the end of the string into the sheath.



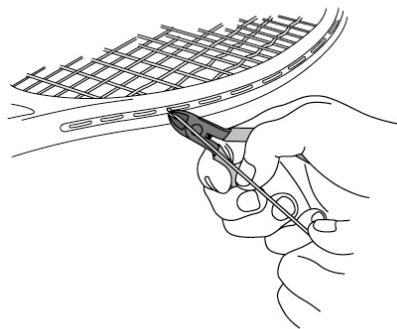
FLAT NOSE PLIERS OPERATION



TENNIS AWL OPERATION



DIAGONAL CUTTER PLIERS OPERATION



GROMMET REMOVER OPERATION

The grommet remover works like an awl, by twisting, you can grind the broken tubing out of the racket.



TENSION CALIBRATION

Your machine has been well calibrated at the factory so it is not necessary to calibrate your machine. If you have reason to suspect that tension is not correct, you can use a precision electric calibrator (optional) to calibrate your machine below.

1. Hold "KNOT" key while turning the machine on.



2. Press "PRE-STRETCH" key several times until the screen turns into the adjusting mode as "DATA".



3. Use a tension calibrator. Use a tennis string clamp to secure the tennis string on one end of the tension calibrator and place the string that is attached to the other end of the tension calibrator into the string gripper.



4. Machine will provide you 8 tensions for calibration 5 kgs (11 lbs), 10 kgs (22 lbs), 15 kgs (33 lbs), 20 kgs (44 lbs), 24.9 kgs (55 lbs), 29.9 kgs (66 lbs), 39.9 kgs (77 lbs) and 44 kgs (88 lbs).
(P.S. You may press the SPEED key to see the different calibration tensions appearing to the display.)
5. Pull the string by pressing the handy tensioning button or touch sensor.



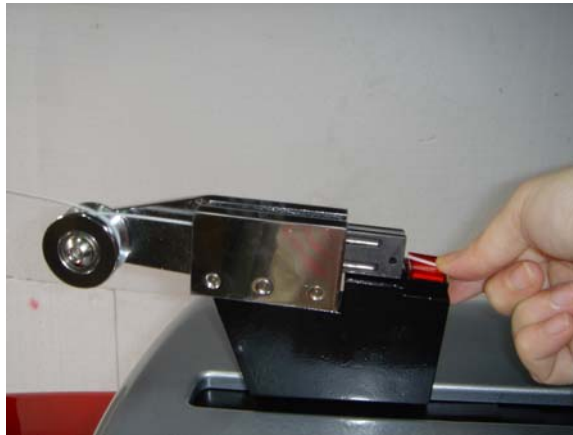
6. Check the measurement of the calibrator.



7. If the measurement of the calibrator is different from the tension displayed on the screen of the machine, please press up- or down- arrow key to decrease or increase the measurement of the calibrator.



8. Release the string by pressing the handy tensioning button or touch sensor.



9. Press "SPEED" key to go on the next tension calibration.



10. Finishing 8 times of tension calibration or even more times until the measurement of the calibrator is identical to the tension shown on screen of the machine and then release the string.

11. Press "SPEED" key two times and then press "MEMORY" key two times as well so as to store what you have calibrated.



x 2



x 2